

US EPA ARCHIVE DOCUMENT

APPENDIX D

LEAD BASED PAINT WASTE (DEBRIS) DISPOSAL

LEAD-BASED PAINT (LBP) DEBRIS DISPOSAL

I. Annual LBP debris quantity estimates

A.	Housing	
	Public	129,000 tons/yr (83,000 units/yr x 1.55 tons)
	Private	326,000 tons/yr (47,000 units/yr x 2.6 tons)
B.	Child Occupied Facilities	
	Day Care Centers	36,400 tons/yr (23,500 units/yr x 1.55 tons)
		22,400 tons/yr (1,400 units/yr x 15.99 tons)
C.	Elementary Schools	243,000 tons/yr

Source: ABT Report - September 11, 1985. (based on estimated sq. feet of debris/unit)

II. Total Quantities of LBP abatement debris

As a worst-case scenario, assume that all pre-1974 constructed housing would be abated.

The decision for removal of LBP debris depends on certain factors. For example, condition of the paint, type of architectural component, and a cost differential between removal and in-place abatement (e.g., repainting surfaces, stripping of paint).

A.	Public housing	1.4 million units x 1.55 tons/unit	2.17M tons
B.	Private housing	6.4 million units* x 2.60 tons/house	16.64M tons
	* -where families with a child/children will occupy one-sixth of 38.6 million units		
C.	Child-occupied facilities		
	Family daycare	118,000 x 1.55 tons/residence	0.183M tons
	Daycare centers	6,900 x 15.99 tons/center	0.110M tons
TOTAL			19.1M tons

Source: ABT Report, September 11, 1985, pp 3-2 for #1 and 2.